

either provided with new generic names, utilizing no more information than provided by Walter and in most cases providing far less, or assigned to an established genus. Following Walter's hint ("Erythronio affinis?") as to the affinities of this species, Gmelin made it the second species of *Erythronium* but substituted the epithet *carolinianum*. Such a substitution by Gmelin is legitimate by our present Code since Walter's epithets with "Anonymos" are no longer "taken into consideration for purposes of priority". Hence the puberulent sessile-leaved bellwort again must submit to a change in name. In the formal listing of synonymy below I include those names intended to apply to the glabrous or nearly glabrous representative which I do not believe merits formal recognition.

*Uvularia caroliniana* (J. F. Gmelin) Wilbur, comb. nov.

*Anonymos pudic.* Walt., Fl. Car. 123. 1788. *nom. illeg.* Art 23.  
*Erythronium carolinianum* J. F. Gmel., Syst. Nat. ed. 13. 2: 546. 1791.  
*Uvularia puberula* Michx., Fl. Bor.-Am.1: 199. 1803. *Oakesia puberula* (Michx.) S. Wats., Proc. Am. Acad. 14: 269. 1879. *Oakesia sessilifolia* var. (?) *nitida* Britt., N. Y. Acad. Sci. 9: 13. 1889. *Uvularia sessilifolia nitida* (Britt.) Morong, Mem. Torrey Club 5: 111. 1893. *Oakesiella puberula* (Michx.) Small, Fl. SE. U. S. 271. 1903. *Uvularia nitida* (Britt.) Mackenzie, Torreyia 8: 14. 1908. *Oakesiella nitida* (Britt.) Heller, Muhlenbergia 6: 83. 1910. *Uvularia puberula* var. *nitida* (Britt.) Fern., Rhodora 37: 407. 1935. *Uvularia pudica* (Walt.) Fern., Rhodora 41: 536. 1939. *Uvularia pudica* var. *nitida* (Britt.) Fern., Rhodora 41: 536. 1939. — DEPARTMENT OF BOTANY, DUKE UNIVERSITY, DURHAM, N. C.

## NEW RECORDS FOR NORTH DAKOTA<sup>1</sup>

O. A. STEVENS

Since the publication of my Handbook (Stevens, 1950), some 60 species have been added to the State list. Some are recently introduced weeds, some have been found for the first time, while others had been incorrectly identified. A few records for species previously reported are included in the following list where they are of special interest in extending the known range. Moore (1951) noted some additions and changes in status. Some of these are included here

<sup>1</sup>Contribution from the North Dakota Institute for Regional Studies. Journal Paper No. 12.

and some are still problematical. The nomenclature follows Gray's Manual, 8th ed., for the most part. Specimens of most species have been deposited in the U. S. National Herbarium, in herbaria of the University of California, University of Minnesota, Canadian National Museum and Science Service of Canada.

**Equisetum variegatum** Schleich. Some poor material, *Stevens 1218*, collected at Valley City in 1950 was determined by C. V. Morton as var. *nelsonii* A. A. Eaton.

**Equisetum sylvaticum** L. Tongue River, close to Pembina-Cavalier County line in 1958, *Stevens and Moir 1767*,

**Botrychium lunaria** (L.) Sw. Low, sandy prairie, McHenry County, *Stevens 1530*.

**Cystopteris dickieana** Sim. West of Grassy Butte, McKenzie County, *Stevens and Moir 2243*. Determined by C. V. Morton who notes that its status as a species is uncertain.

**Woodsia oregana** D. C. Eaton. Material formerly reported as *W. obtusa* has been identified by R. T. Clausen as *W. oregana*, var. *cathcartiana* (Robins.) Morton.

**Pteretis pensylvanica** (Willd.) D. C. Eaton. This was found in the Turtle Mts., Bottineau County, by Duane Green in 1956 and later collected by D. R. Moir. It occurs also in one ravine near Huff, Morton County.

**Onoclea sensibilis** L. A second record is from Pembina County, *Stevens* in 1954.

**Juniperus virginiana** L. Near Fargo in 1959, J. R. Nelson. I had wondered why this had not become established from seeds scattered by birds. It is not native within probably 200 miles.

**Typha angustifolia** L. This was recognized as frequent in the Fargo area in 1958. It apparently has been spreading rather rapidly.

**Sparganium chlorocarpum** Rydb. Lower Souris Wildlife Refuge, Hotchkiss and Hammond in 1955.

**Sparganium multipedunculatum** (Morong) Rydb. N. E. Hotchkiss writes that there is a specimen in the U. S. National Herbarium collected at Riverside Marsh, south of Mandan, *Metcalf 337*.

**Ruppia occidentalis** S. Wats. Iverson Lake, Burke County, *Hotchkiss and Knowlton 4656*.

**Potamogeton richardsonii** (A. Benn.) Rydb. should replace *P. perfoliatus*.

**Potamogeton friesii** Rupr. Hotchkiss writes that he collected this in Burke County.

**Elodea nuttallii** (Planch.) St. John. McHenry and Burke Counties, Hotchkiss.

**Bromus marginatus** Nees. Black (H. T.) Butte, Slope County, *Stevens and Moir 2297*, det. Swallen.

**Bromus brizaeformis** Fisch. and Mey. Sent by Bert Miller from Tuttle, Stutsman County, in 1956. In a grass field, probably not permanently established.

**Puccinellia cusickii** Weatherby. Sheridan County, *Stevens 2095*, identified by J. R. Swallen. This was from a small area without glacial till that had also *Artemisia cana*, *Opuntia polyacantha* and *Oenothera caespitosa*, our easternmost records of the last two. Specimens collected in 1960 from Ward, Burleigh and Slope Counties are also referred to it.

**Poa fendleriana** (Steud.) Vasey. Bottineau County, *Stevens 2209*.

**Eragrostis diffusa** Buck. A specimen from Minot by Bolley in 1891 has been determined by J. R. Swallen.

**Eragrostis perplexa** L. H. Harvey. Reported (Harvey, 1954), from Mandan.

**Hordeum montanense** Scribn. Late season material from Minot, Curtis Benton in 1953, seems to be this form.

**Hordeum pusillum** Nutt. Medora in 1953, *Stevens 1445*, and Rhame in 1954, V. Facey.

**Danthonia spicata** (L.) Beauv. Killdeer Mountains in 1960, *Stevens and Moir 2254*. Quite common along a woodland trail.

**Sporobolus airoides** Torr. A flowering stalk was grown in the greenhouse from a piece of sod collected in Bowman County by Clayton Quinnild in 1957.

**Eleocharis parvula** (R. & S.) Link. Burleigh County, Hotchkiss in 1940, and Grand Forks County, F. C. Seymour in 1951.

**Eriophorum viridicarinatum** (Engelm.) Fern. One specimen from Walhalla, Pembina County, *Stevens* in 1938, seems this species, all others *E. angustifolium* Honck.

**Carex foenea** Willd. (*C. siccata* Dew.) Turtle Mts., Bottineau County, *Stevens 1610*, det. Hermann.

**Carex prairea** Dewey. Larimore, *Stevens 1722*; Turtle Mts., *Stevens & Moir 1776*; McHenry County, *Stevens and Moir 1779*.

**Carex aenea** Fern. Towner County, *Stevens 1531*; Tongue River, Cavalier County, *Stevens and Moir 1759*, det. Hermann; Williams County, *Stevens* in 1956.

**Carex molesta** Mack. Richland County, *Stevens 1347*, det. Hermann.

**Carex peckii** Howe. Richland, Pembina, Grand Forks, Bottineau, Dunn and Ward Counties.

**Carex richardsonii** R. Br. McHenry and Cass Counties, *Stevens 1534* and *1715*.

**Carex garberi** Fern. Burke County, *Hotchkiss 6714*.

**Carex haleana** Olney. Richland County, *Stevens 1257*, det. Hermann; Benson County by Lunell as *C. shriveri*.

**Carex parryana** Dewey. Burke County, *Hotchkiss 6715*.

**Carex hallii** Olney. Eddy County, *Stevens 1209*; reported by Mackenzie for Benson County and an old specimen, *Bell 61*, is from Richland County.

**Carex substricta** (Küken.) Mack. McLean County, *Stevens 1070*, det. Hermann.

**Carex torreyi** Tuckerm. Additional records are, Killdeer Mts. and Grassy Butte in 1960 and Moorhead, Minn. in 1959.

**Calla palustris** L. Pembina County, *Stevens 1338*; Rolette County, *Stevens and Moir 1926*. Abundant in Tongue River west of Cavalier, Pembina County.

**Juncus gerardi** Loisel. Fargo, *Stevens 1497*; Richland County, Bell 674; both determined by Hermann.

**Calochortus pudica** (Pursh) Spreng. A specimen overlooked was collected at Medora, Billings County, by E. C. Moran who wrote that he saw it also in Bowman County.

**Uvularia sessilifolia** L. Tongue River, Cavalier County, *Stevens and Moir 1754*.

**Populus acuminata** Rydb. One tree was shown me near Medora, Billings County (south side of Dedication Butte, *Stevens 1286*), by Virgil Weiser; Dr. L. D. Potter found a small grove near Vim in Slope County in 1958.

X **Betula sandbergii** Britton. One tree in poor condition at Carpenter Lake, Rolette County, *Stevens and Moir 1775*.

**Betula pumila** L., var. **glandulifera** Regel. Near Larimore, Grand Forks County, *Stevens 1431*; Carpenter Lake, Rolette County, *Stevens and Moir 1772*; noted by Hotchkiss in McHenry County.

**Pilea fontana** (Lunell) Rydb. Three of our specimens, all from the Richland County area, are this species.

**Ulmus pumila** L. Cass, Burleigh, Stark and Mountrail Counties. Volunteer seedlings are frequent.

**Rumex stenophyllus** Ledeb. First collected in this area by J. F. Brenckle in 1951 (No. 5106) in Spink County, South Dakota, and determined by Paul Aellen. In 1954 it was observed in quantity at Fargo (*Stevens 1492*) and later collected in McLean, Burleigh, Morton, Oliver and McKenzie Counties. Löve and Bernard (1950) have given other records and a description of the plant.

**Rumex domesticus** Hartm. This had been noted as a puzzling form and is well established; 21 counties, all parts of the State. Some old specimens are this species: Richland County, Bell in 1908; Pembina County, Bergman in 1912; Cass County, Stevens in 1920.

**Folygonum douglasii** Greene. McKenzie and Slope Counties in 1960, *Stevens and Moir 2240*. Frequent in small water channels on north-facing slopes.

**Atriplex glabriuscula** Edmonst. A considerable colony at Fargo in 1954, *Stevens 1507*.

**Salsola collina** Pall. In 1949, one of my former students, Lars Reitan, called attention to some "different" Russian thistles in Barnes County and a specimen was identified by Paul Aellen as *S. collina*. We noted it with increasing frequency and in recent years it has seemed

the more common form. The bracts are appressed, the calyx wings very short and erect.

**Mirabilis albida** (Walt.) Heimerl. One specimen from Oliver County, Stevens in 1938, and one from Valley City, Stevens in 1949, are perhaps this species. Both approach *M. hirsuta*.

**Mirabilis linearis** (Pursh) Heimerl. Most specimens previously referred to *M. albida* belong here.

**Cerastium scopulorum** Greene? Black (H. T.) Butte, Slope County, Stevens and Moir 2292, seems to be this species rather than *C. arvense*. It was in a shady glade at the foot of a north-facing slope, July 14, 1960. Only one duplicate (US).

**Cerastium vulgatum** L. Numerous complaints of this in lawns in Fargo began about 1950. Apparently it was generally established but gradually subsided. In an area on our campus, seeded in 1949, it was vigorous in 1955, weak in 1956 and not found the following year.

**Delphinium ajacis** L. Rocket Larkspur. Streets at Belfield, Stark Co., Stevens and Moir 2238. Apparently well established.

**Myosurus aristatus** Benth. Kenmare, Ward Co., Hotchkiss 6701.

**Chorispora tenella** (Pallas) DC. Williston in 1960 by D. G. Hotchkiss, county extension agent.

**Polanisia trachysperma** T. & G. Previously reported as *P. graveolens* Raf.

**Ribes hirtellum** Michx. Rolette County, Bergman 1503, was overlooked. To this have been added: Richland County, Stevens 1341; Cavalier, Stevens in 1956; Pembina, Stevens 1327; Griggs, Stevens in 1952 and 1953; Bottineau, Stevens in 1957.

**Potentilla palustris** L. N. E. Hotchkiss writes that he saw it in McHenry County but no specimens are available.

**Geum rivale** L. Tongue River west of Cavalier, Pembina County, Stevens 1232.

**Agrimonia gryposepala** Wallr. Killdeer Mts., Dunn County, Stevens & Kluender in 1935; Richland County, Stevens 1752.

**Caragana arborescens** Lam. One bush at Valley City, Barnes County, seemed an escape but might have been planted. It is strange that volunteer plants are not found. The seeds germinate freely in bare soil by planted material. One at Cavalier, Pembina County in 1959 was a few rods from plantings.

**Althaea officinalis** L. This volunteer indefinitely from plantings.

**Viola nephrophylla** Greene. Many of our specimens formerly labeled *V. papilionacea* have been changed to this. It is often abundant in boggy meadows.

×**Viola bernardi** Greene. Four old specimens are referred to this: Fargo, Bolley and M. Field in 1891 and 1892; Ransom County, Bell 653; Hankinson, A. D. Stoesz in 1934.

**Viola sarmentosa** Nutt. A sterile specimen from Killdeer Mts., Dunn County, Stevens and Kluender in 1935, has been determined as this by

Norman H. Russell. Further collections are needed to verify this report.

**Viola incognita** Brainerd. Tongue River west of Cavalier, Pembina County, *Stevens 1332, 1395*, det. Russell.

**Elaeagnus angustifolia** L. I had wondered why we found no volunteer plants of this but since 1950 I find them in many places, especially in low areas, in fence rows and under telephone wires.

**Oenothera rhombifolia** Nutt. The specimen so reported seems to be *O. strigosa* (Rydb.) Mack. & Bush.

**Myriophyllum verticillatum** Michx. One sheet from Grant County, *Bell 729*.

**Sanicula gregaria** Bickn. Richland County, *Stevens 1344*, det. Constance.

**Menyanthes trifoliata** L. N. E. Hotchkiss reports seeing this 5 miles north of Towner, McHenry County, in 1932.

**Apocynum medium** Greene. Some material from Fargo, *Stevens 1251*, seems to be this species. It was in an area where both *A. androsaemifolium* and *A. sibericum* grew (now destroyed).

**Asclepias sullivantii** Engelm. Specimens previously referred to *A. purpurascens* L.

**Asclepias lanuginosa** Nutt. Dickinson, Stark County in 1960, J. R. Nelson, is a second record. I had been looking for it for 40 years and the Dickinson area has received more than usual attention.

**Cuscuta glomerata** Choisy. This was found near Lisbon, Ransom County in 1950 by Snorri Thorfinnson; *Stevens 1374*.

**Navarretia propinqua** Suksd. is our species according to Mason's treatment.

**Hackelia virginiana** (L.) I. M. Johnston. At Fargo, *Stevens 1495*, a quantity of this was noted in woods along the Red River. It seemed unaffected by a leaf spot which was abundant on *H. americana*. An older specimen, *Stevens* in 1934, is *H. virginiana* and one from Valley City in 1957.

**Lappula redowskii**, var. **cupulata** (A. Gray) M. E. Jones. At Medora in 1954 occasional plants, *Stevens 1441*, with cupulate nutlets, among abundant normal var. **occidentalis**, seemed pathological. These had not been seen since the previous report.

**Cryptantha macounii** (Eastw.) Payson. A specimen from White Earth, Mountrail County, T. A. Haigh in 1898, was referred to this by A. J. Breitung.

**Amsinckia retrorsa** Suks. The Fargo specimen, *Stevens 629*, should be called this according to Constance.

**Lycopsis arvensis** L. Dickinson, Stark County in 1955, *Stevens 1205*. One plant in a field. Determined by F. Chisaki.

**Solanum interius** Rydb. McClusky, Sheridan County, *Stevens 1645*, determined by Constance. We have been getting an occasional specimen, none in quantity.

**Solanum dulcamara** L. Mrs. P. F. Debertain, Parshall, Mountail County, sent a specimen in 1952 that she found growing by her house. A plant at Fargo I am told has been so growing for several years.

**Linaria dalmatica** (L.) Mill. Roadside, Steele, Kidder County, *Stevens 1194*, and Dickinson, Stark County, *Stevens* in 1955.

**Linaria canadensis** (L.) Dumort. One small plant on a sheet of *Veronica peregrina* from Grant County, *Bell 359*, was recognized by F. W. Pennell.

**Mimulus guttatus** DC. In a stream from a flowing spring near Inkster, Grand Forks County. This was first brought to our attention in 1956 by Dr. Vera Facey of the University of North Dakota, which has the area as a study preserve.

**Utricularia intermedia** Hayne. McHenry County, *Hotchkiss 4502* (US).

**Linnaea borealis** L. Killdeer Mountains in 1960, *Stevens and Moir*. Previously from Turtle Mountains, E. E. Hotchkiss.

**Sherardia orientalis** Boiss. & Hohen. Waste ground by railroad, Fargo in 1945, L. R. Waldron. Determined by Bernice G. Schubert.

**Galium labradoricum** Wieg. McHenry County, *Hotchkiss 4502* (US).

**Sambucus canadensis** L. This is not native but seems more or less established. A colony on the Agricultural College grounds at Fargo (now destroyed) was said not to have been planted though many years before it had been planted in at least two other places (long since destroyed). It was received from Park River, Walsh County, where it was said to have been present for some years and was found at Sheyenne, Eddy County (*Stevens and Moir 1661*) in a native grove; these last two both in 1956.

**Galinsoga parviflora** Cav. Fargo in 1958, *Stevens 2029*. These plants are becoming frequent about yards.

**Bellis perennis** L. A few plants in bloom in a lawn at Fargo in 1955.

**Arctium lappa** L. Kulm, LaMoure County, *Brenckle* in 1912; Arvilla, Grand Forks County, *D. G. Walp* in 1936.

**Arctium tomentosum** Mill. Fargo in 1956, *Stevens 1634*.

**Petasites palmatus** (Ait.) Gray. Turtle Mts., Bottineau County, *Stevens and Moir 1790*.

**Centaurea maculosa** Lam. Two or three plants by railroad at Fargo, *Stevens 1633*; destroyed the next year.

**Stephanomeria tenuifolia** (Torr.) Hall. Little Bad Lands, Stark County, V. Facey in 1952, *Stevens* in 1955.

**Tragopogon pratensis** L. Fargo, Lee in 1891, and Lisbon, *Bell 686*, are this species but we have been unable to find it in recent years.

**Taraxacum kok-saghyz** Rodin. Fargo, *Stevens 1703*. This was grown in a field plot in 1941 and 1942 but has not been observed in the area since. Some seed was cleaned at our building where a few plants con-

tinue to thrive near the west wall but are not aggressive. — NORTH DAKOTA STATE UNIVERSITY, FARGO.

## LITERATURE CITED

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- LÖVE, DORIS AND FRÈRE JÉAN-PAUL BERNARD (1958). *Rumex stenophyllus* in North America. Rhodora 60: 54-57.
- MOORE, JOHN W. 1951. Review. Ecology 51: 359-360.
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A FERN NEW TO RHODE ISLAND. — *Asplenium montanum*, not previously recorded as growing in Rhode Island, has been found in a well-established colony on sandstone cliffs at West Glocester, Providence County. The fern grows with *Polypodium virginianum* on a west-facing ledge (about 150 feet long) where it receives mixed sun and shade. On August 18, 1960 when John Hudson and I collected specimens, there appeared to be no surplus moisture on the cliffs, yet the plants were luxuriant in crevices or hung from the seams of stony recesses.

Records, mostly from the early 1900's place *Asplenium montanum* in these nearby Connecticut towns: North Stonington, Franklin, Scotland, Salisbury, etc. Whether it has only recently invaded Rhode Island, or has simply eluded detection for many years is a moot question. John Hudson who led me to its location was in turn shown it by Lewis Carpenter of Hope, R. I. in 1957. Not until Hudson and I visited it, however, were any specimens collected. These have been deposited with the University of Rhode Island Herbarium and The New England Botanical Club. — RICHARD L. CHAMPLIN, JAMESTOWN, R. I.